

Patent Claims

1. A heat exchanger module (1) for a motor vehicle, consisting of at least one heat exchanger (2),
5 preferably a coolant cooler, and also of laterally arranged module supports (11, 12) made of plastic which hold the heat exchanger module (1) and support it on the vehicle, characterized in that the at least one heat exchanger (2) comprises two receptacles (4, 5)
10 with two longitudinal faces, one side face and two end faces (4a, 4b, 4c; 5a, 5b, 5c), and in that the module supports are designed as slip-on boxes (11, 12) in the shape of the receptacles (4, 5), positively surround the longitudinal, side and end faces (4a, 4b, 4c; 5a,
15 5b, 5c) thereof and are in particular secured to the end faces (4c, 5c) by locking hooks and/or snap-in hooks.

2. The heat exchanger module as claimed in claim 1,
20 characterized in that the module supports (11, 12) comprise fastening pins (13, 14) on their lower end faces.

3. The heat exchanger module as claimed in claim 1 or
25 2, characterized in that the module supports (11, 12) comprise fastening openings (15, 16) on their upper end faces.

4. The heat exchanger module as claimed in claim 1, 2
30 or 3, characterized in that the module supports (11, 12) comprise on their longitudinal faces fastening means (17, 18, 19, 20) for receiving additional parts, in particular a fan cowling.

35 5. The heat exchanger module as claimed in one of claims 1 to 4, characterized in that the at least one heat exchanger is designed as an all-metal, in

particular all-aluminum, heat exchanger (2).

6. The heat exchanger module as claimed in claim 5, characterized in that the side faces (4b, 5b) of the receptacles (4, 5) project beyond the end faces (4c, 5c) and form stop faces (26) for the locking hooks (22) and/or the snap-in hooks (24).

7. The heat exchanger module as claimed in claim 6, characterized in that, during mounting of the module supports (11, 12), the snap-in hooks (24) slide up on the end edges of the receptacles (4, 5), are deflected and then engage for fixing.

8. The heat exchanger module as claimed in claim 5, 6 or 7, characterized in that the receptacles (4, 5) comprise necks (7, 8, 9, 10) for at least one heat exchanger medium and the module supports (11, 12) comprise cutouts (11a, 12a, 12b) which surround the necks (7, 8, 9, 10).

9. The heat exchanger module as claimed in claim 5, 6, 7 or 8, characterized in that the coolant cooler (2) and a refrigerant condenser (3) are designed as an integrated heat exchanger block (1), in particular are soldered in one operation.